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(54) Title: ENZYMATIC DEPOLYMERISATION OF CARBOXYMETHYLCELLULOSE IN HYDROALCOHOLIC
SOLUTIONS

(57) Abstract: The present invention refers to the procedure for the preparation of aqueous concentrated solutions of low viscos-
ity carboxymethylcellulose by enzymatic depolymerisation of medium viscosity carboxymethylcellulose in the form of dispersed
powder in a hydro-alcoholic heterogeneous medium, and to such aqueous concentrated solutions which have Brookfield viscosity,
at 20 °C and 20 rpm, comprised between 2000 and 5000 mPa*s. Preferred alcohol-water biphasic systems have from 40% to 50%
of alcohol (e.g., ethanol or isopropanol). The aqueous solutions of carboxymethylcellulose produced are stable over time, and their
viscosity varies no more than 10% in 3 months.

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